$pbarp \rightarrow e^+e^-$ study with PANDAroot

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 $pbarp \rightarrow e^+e^-$

Outline





Results of simulation



What has been done

- $pbarp \rightarrow e^+e^-$
- $pbar_{mom} = 10 GeV/c$
- $G_E/G_M = 0$

- Event must have one e^+ and one e^-
- Both e^+ and e^- have to pass the cut E/p > 0.7

Multiplicity



dE/dx MVD



E/p vs p



 $cos(\theta(e_{mc}^{-}))$



 $cos(\theta(e_{rec}^{-}))$



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pbarp invariant mass



- ullet First results for $pbarp
 ightarrow e^+e^-$ channel with PANDAroot are obtained
- Better PID algorithm is necessary